

SIMPLWINDOWS NAME: Bryston SP 1-7 Processor

CATEGORY: RECEIVER/PROCESSOR

VERSION: 1.0

SUMMARY: Controls all standard functions

GENERAL NOTES: This module will control a Bryston SP1.7 Preamplifier/Surround Sound Processor. All available functions have been implemented with feedback where possible. The functions included are:

1. Source Selection with Feedback
2. Listening Modes with feedback
3. Bypass Modes with feedback
4. Surround Modes with feedback
5. Extended Surround Options
6. Volume/Mute control with feedback
7. Speaker Configurations
8. Power On/Off

For this module to work properly, the automatic feedback mode on the Bryston system must be turned on. This module will turn it on automatically, five seconds after the Power_On input is pulsed. You can also turn this mode on by pulsing the RS232_On input. If this mode is not turned on, feedback will not be reported correctly at the output of this module.

This module also has a Poll input. This can be used upon startup of the system, to read the current state of the Bryston system. You should not need to use the Poll input after startup, since status changes should be reported automatically to the Crestron system.

CRESTRON HARDWARE REQUIRED: CNMSX
CNXCOM
ST-COM
C2-COM

SETUP OF CRESTRON HARDWARE: Baud Rate - 9600
Parity - None
Data Bits - 8
Stop Bits - 1

VENDOR FIRMWARE: v43C (The OS version will be automatically sent out the RS232 port when the unit is powered on)

VENDOR SETUP: You must have firmware version 43c.

CABLE NUMBER: For Bryston serial numbers below 000398 - CNSP-122 (This has been tested at Crestron)

For Bryston serial numbers 000398 and higher - CNSP-121 (This has not been tested at Crestron)

CONTROL:

RS232_On/Off	D	Pulse to activate/deactivate auto-report mode. This mode must be activated for this module to work correctly.
Power_On/Off	D	Pulse to power the system on/off
Source_*	D	Pulse to select a source
Volume_Up/Down	D	Press and hold to ramp the volume up or down
Volume_Mute/On/Off	D	Pulse to activate/deactivate mute
Digital_Input_On/Off	D	Pulse to turn digital input on or off

Bypass_Mode_*	D	Pulse to select a bypass mode
Listen_Mode_*	D	Pulse to select a listening mode
Surround_*	D	Pulse to select a surround sound mode
Thx_Surround_Ex_*	D	Pulse to activate/deactivate THX Surround Ex
DTS-ES_*	D	Pulse to activate/deactivate DTS-ES
Speakers_*	D	Pulse to select a speaker configuration
Poll	S	Serial signal to be routed from a 2-way RS232 port

FEEDBACK:

Source_*_Fb	D	True feedback indicating the currently selected source
Volume_Bar	A	True feedback indicating the current relative volume level
Volume_Mute_*_Fb	D	True feedback indicating the state of mute
Digital_Input_*_Fb	D	True feedback indicating the digital input state
Bypass_Mode_*_Fb	D	True feedback indicating the bypass mode selected
Listen_Mode_*_Fb	D	True feedback indicating the listen mode selected
Surround_*_Fb	D	True feedback indicating the surround mode selected
To_Device\$	S	Serial signal to be routed to a 2-way RS232 port

.UPZ FILE USED FOR TESTING: v3.029.cuz
COMPILER USED FOR TESTING: SimplWindows Ver 2.03.18
SAMPLE PROGRAM: Bryston SP1-7 Demo
REVISION HISTORY: None